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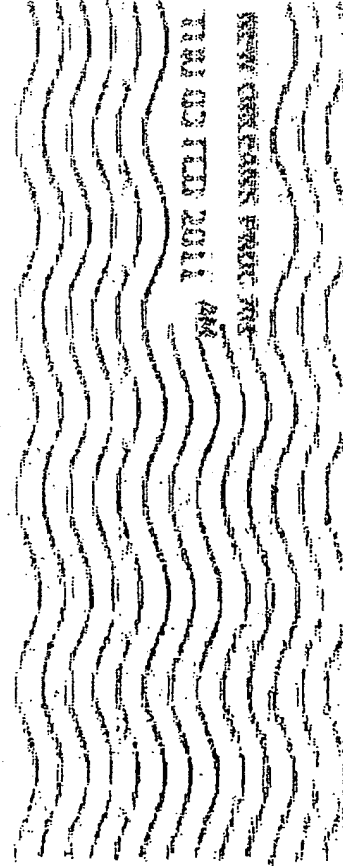
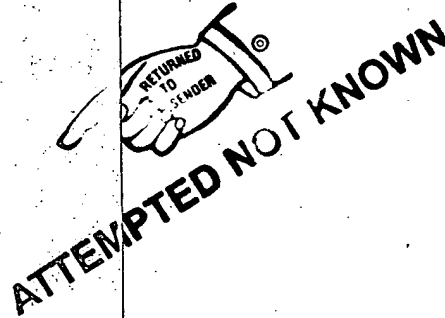
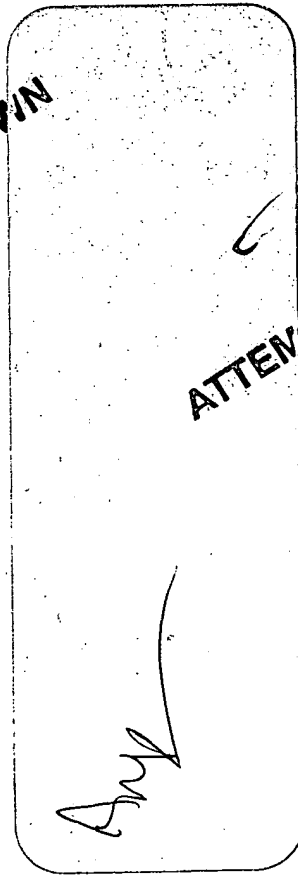
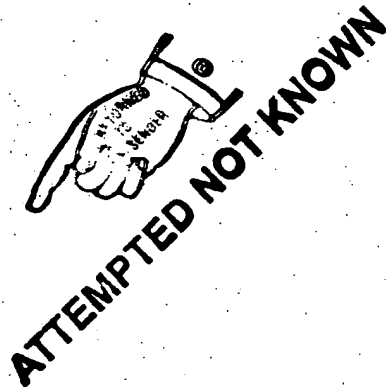
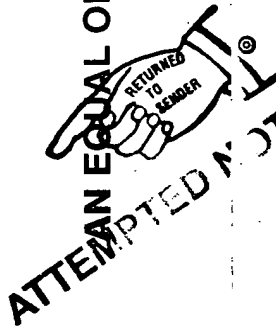
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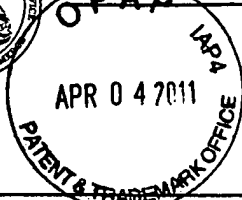


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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/678,039	10/01/2003	Ronnie Solis	6074-2	6683

7590 12/06/2010
RONNIE SOLIS
4441 N. 1-10 SERVICE ROAD W.
METAIRIE, LA 70006

EXAMINER

PHAM, KHANH B

ART UNIT	PAPER NUMBER
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2166

MAIL DATE	DELIVERY MODE
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12/06/2010

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/678,039	Applicant(s) SOLIS ET AL.	
	Examiner Khanh B. Pham	Art Unit 2166	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 July 2010.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-38 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-38 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) ☐ Notice of References Cited (PTO-892) | 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) ☐ Notice of Informal Patent Application |
| 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) ☐ Other: _____ |

DETAILED ACTION

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 7/1/2010 has been entered. Claims 1, 7, 13, 18 have been amended. Claims 19-38 have been added. Claims 1-38 are pending.

Claim Rejections - 35 USC § 101

2. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 19-38 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

The claims lack the necessary physical articles or objects to constitute a machine or a manufacture within the meaning of 35 USC 101. They are clearly not a series of steps or acts to be a process nor are they a combination of chemical compounds to be a composition of matter. As such, they fail to fall within a statutory category. They are, at best, functional descriptive material *per se*.

Descriptive material can be characterized as either "functional descriptive material" or "nonfunctional descriptive material." Both types of "descriptive

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material" are nonstatutory when claimed as descriptive material *per se*, 33 F.3d at 1360, 31 USPQ2d at 1759. When functional descriptive material is recorded on some computer-readable medium, it becomes structurally and functionally interrelated to the medium and will be statutory in most cases since use of technology permits the function of the descriptive material to be realized.

Compare *In re Lowry*, 32 F.3d 1579, 1583-84, 32 USPQ2d 1031, 1035 (Fed. Cir. 1994)

Merely claiming nonfunctional descriptive material, i.e., abstract ideas, stored on a computer-readable medium, in a computer, or on an electromagnetic carrier signal, does not make it statutory. See *Diehr*, 450 U.S. at 185-86, 209 USPQ at 8 (noting that the claims for an algorithm in *Benson* were unpatentable as abstract ideas because "[t]he sole practical application of the algorithm was in connection with the programming of a general purpose computer.").

Claim Rejections - 35 USC § 112

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 19-38 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
5. Claim 19 recites "OMV interface module", the meaning of OMV is unclear in the claim.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1, 3-13, 15, 17-38 are rejected under 35 U.S.C. 103(a) as being unpatentable over United network for Organ Sharing "UNet User's Manual", hereinafter referred to as "**UNet**" and in view of "UNOS Organ Information Service", hereinafter "**UNOS**".

As per claim 1, UNet teaches an organ and tissue procurement system (page 1) comprising:

- "interface server means for storing and delivering user interface information procurement data accessible to authorized user over a wide area network" at pages 3-4;
- "database server means, in communication with said interface server means, for storing and delivering data related to donors and recipients of human organs and tissue" at pages 15-16 and 26;
- "software means, in communication with said interface server means and said database server means, for enabling access to said data and said user interface information by said authorized users at pages 15-16;

- wherein said software means includes:
 - (a) "security means for determining whether one or more of said authorized users may modify said data" at page 7;
 - (b) "import means for receiving and tracking donor information from at least one external database and adding said donor information to said data" at pages 19, 29, and 52.
 - (c) "an import arrangement configured to compare donor information imported from a plurality of external database and remove duplicative information therefrom" at pages 44-46;
 - (d) "an audit arrangement configured to create a log of user activity in the system, wherein the log includes at least one of: a command entered by a user, a name of the user, an IP address of the user and a data and time the command was performed" at pages 32-34.

UNet does not explicitly teaches the database stores "**tissue data**" as claimed. However, UNOS teaches a similar system for Organ Information service, including a database for storing tissue data at page 30. Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to include "tissue data" in the UNet system so that information regarding "tissue data" would be available to person in need of tissue transplant.

As per claim 3, UNet and UNOS teach the system of claim 1 discussed above. UNOS also teaches: wherein "said external database is managed by an organ donation organization" at page 19.

As per claim 4, UNet and UNOS teach the system of claim 1 discussed above. UNOS also teaches: wherein "said data further includes information relating to transplant hospitals" at pages 30.

As per claim 5, UNet and UNOS teach the system of claim 1 discussed above. UNOS also teaches: wherein "said data further includes information relating to eyebanks at page 57.

As per claim 6 , UNet and UNOS teaches the system of claim 1 discussed above. UNOS also teaches: wherein "said data further includes information relating to tissue banks" page 57.

As per claim 7, UNet teaches an organ and tissue procurement system comprising:

- "software means residing on a computer server for communicating with a database management system corresponding to and operating upon one or more external databases and configured to create links between select fields of said external database" at pages 19, 55;

- "wherein said one or more external database store medical and social history and procurement information about a plurality of prospective donors under condition that allow salvage of tissue or organs from said prospective donors, and medical and social history information about a plurality of prospective recipients" at pages 65-66;
- "wherein said database management system communicates with said one or more external database to determine whether said donors data is stored in said one or more external database" at pages 19, 29;
- "wherein said database management system communicates with said one or more external database to determined whether any of said donor data corresponds to any of said recipient data sufficient to establish a preliminary match between said donor and said recipient data" at pages 25-27.
- "wherein said database management system creates a log of user activity in the system, said log including at least one of: a command entered by a user, a name of the user, an IP address of the user and a date and time the command was performed" at page 32.

UNet does not explicitly teaches the database stores "tissue information" as claimed. However, UNOS teaches a similar system for Organ Information service, including a database for storing tissue data at page 30. Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to include "tissue data" in the UNet system so that information regarding "tissue data" would be available to person in need of tissue transplant.

As per claim 8, UNet and UNOS teach the system of claim 7 discussed above. UNOS also teaches: wherein "said software means includes means for prompting a user of said system to ask predetermined threshold questions about said prospective donor to establish whether said prospective donor may donate said tissue or organ" at page 58.

As per claim 9, UNet and UNOS teach the system of claim 7 discussed above. UNOS also teaches: wherein "said software means includes means for allowing a user of said system to determine whether said prospective donor has indicated an express intent to donate said tissue or organ" at page 58.

As per claim 10, UNet and UNOS teach the system of claim 7 discussed above. UNOS also teaches: wherein "each said one or more external database is maintained by an organization with which said prospective donor or said prospective recipient have a prior relationship, and wherein said database management system communicates with said one or more database over an electronic communication network" at page 29.

As per claim 11, UNet and UNOS teach the system of claim 10 discussed above. UNOS also teaches: wherein "said electronic communication network is the internet, and wherein said software means is enable for used over the WWW" at page 4.

As per claim 12, UNet and UNOS teach the system of claim 7 discussed above. UNOS also teaches: wherein “said one or more external database includes data sets which are pre-categorized into a plurality of predetermined organ histories” at page 56.

As per claim 13, UNet teaches a method for managing a procurement system for tissue and organs comprising:

- “providing software means for communicating with a database management system corresponding to and operating upon one or more external databases and configured to create links between select fields of said one or more external database” at pages 19, 55;
- “storing medical and social history and procurement information about a plurality of prospective donors under conditions that would allow salvages of tissue or organs from said prospective donors” at pages 15-16;
- “storing medical and social history and procurement and tissue information about a plurality of prospective recipients” at page 26;
- “accessing said database management system to determine whether said donor data is stored in said one or more external databases, and if so, determining whether any of said donor data corresponds to any of said recipient data sufficient to establish a preliminary match between said donor data and said recipient data” at pages 25-26;
- “creating a log of user activity in the system, said log including at least one of: a command entered by a user, a name of the user, an IP address

of the user and a date and time the command was performed" at page 32.

UNet does not explicitly teaches the database stores "tissue information" as claimed. However, UNOS teaches a similar system for Organ Information service, including a database for storing tissue data at page 30. Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to include "tissue data" in the UNet system so that information regarding "tissue data" would be available to person in need of tissue transplant.

As per claims 15, 17, UNet teaches the system of claim 7, 13, wherein "said external database is managed by an organ donation organization" at page 19.

As per claim 18, UNet teaches an organ and tissue procurement system (page 1) comprising:

- "interface server configured to store and deliver user interface information procurement data accessible to authorized users over a wide area network" at pages 3-4;
- "database server in communication with said interface server that is configured to store and deliver data related to donors and recipients of human organs and tissue" at pages 15-16 and 26;

- “software in communication with the interface server and the database server that is configured to provide access to the data and the user interface information by the authorized users at pages 15-16;
- wherein said software includes:
- “security arrangement configured to determine whether one or more of said authorized users may modify said data” at page 7;
- “an auditing arrangement configured to create a log of user activity” at page 32;
- “an import arrangement configured to receive and track donor information from multiple external databases, and add said donor information to the data” at pages 19, 29, 52
- “remove duplicative information therefrom” at pages 44-46.

UNet does not explicitly teaches the database stores **“tissue data”** as claimed. However, UNOS teaches a similar system for Organ Information service, including a database for storing tissue data at page 30. Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to include “tissue data” in the UNet system so that information regarding “tissue data” would be available to person in need of tissue transplant.

As per claim 19, UNet teaches a system for managing the operations of an organ procurement organization comprising:

- "a call center module", "is configured to receive information regarding potential organ or tissue donors and store the information in the system" at pages 17-18;
- "a medical records management module", "is configured to store clinical data relating to potential organ or tissue recipients" at page 17-18, 40;
- "at least one system management module", "is configured to store and maintain individual system user information and system access permissions" at page 7;
- "a donor registry and OMV interface module", "is configured to import data from at least one of an external donor registry and an office of motor vehicle database" at pages 19,
- "an audit trail module", "is configured to log individual user activity in the system" at pages 32-34;
- "a national database interface module", "is configured to query at least one of organ and tissue recipient information from a nationally maintained database" at pages 49,
- "wherein the system is configured to match potential donors and potential recipients within the geographic region of responsibility of the organ procurement organization with potential recipients and potential donors, respectively, either within or outside of the geographic region of responsibility of the organ procurement organization" at pages 25-28.

UNet does not explicitly teaches the database stores "tissue information" as claimed. However, UNOS teaches a similar system for Organ Information

service, including a database for storing tissue data at page 30. Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to include "tissue data" in the UNet system so that information regarding "tissue data" would be available to person in need of tissue transplant.

As per claim 20, UNet and UNOS teach the system of claim 19 discussed above. UNOS also teaches: wherein "the nationally maintained database is maintained by the United Network for Organ Sharing" at page 5.

As per claim 21, UNet and UNOS teach the system of claim 19 discussed above. UNet also teaches: wherein "the call center module is configured to collect and store at least one of " personal information of the potential donor, medical history of the potential donor, social history of the potential donor, hemodilution of the potential donor, blood products of the potential donor, admission course of the potential donor, medical examiner/coroner information relating to the potential donor, information relating to the potential donor hospital, organ specific information, tissue specific information and whether the potential donor's family or next of kin has given consent to a potential organ or tissue donation" at pages 17-18.

As per claim 22, UNet and UNOS teach the system of claim 21 discussed above. UNet also teaches: wherein "organ specific information includes at least

one of: physical assessment of the organ, lab or culture data, hemodynamic data, serologies data, and operating room management” at page 78.

As per claim 23, UNet and UNOS teach the system of claim 21 discussed above. UNet also teaches: wherein “tissue specific information includes at least one of: culture results, hemodilution, physical assessment, tracking and a serology checklist” at page 78.

As per claim 24, UNet and UNOS teach the system of claim 19 discussed above. UNet also teaches: wherein “medial records management module is configured to store at least one of personal information of the potential donor, medical history of the potential donor, social history of the potential donor, hemodilution of the potential donor, blood products of the potential donor, admission course of the potential donor, medical examiner/coroner information relating to the potential donor, information relating to the potential donor hospital, organ specific information, tissue specific information and whether the potential donor's family or next of kin has given consent to a potential organ or tissue donation” at pages 17-18.

As per claim 25, UNet and UNOS teach the system of claim 24 discussed above. UNet also teaches: wherein organ specific information includes at least one of: physical assessment of the organ, lab or culture data, hemodynamic data, serologies data, cardiac data, pulmonary data, operating room data and organ instrument supplies” at pages 56, 71, 78.

As per claim 26, UNet and UNOS teach the system of claim 24 discussed above. UNet also teaches: wherein "tissue specific data includes at least one of: culture results, hemodilution, physical assessment, tracking, a serology checklist and tissue recovery supplies" at pages 56, 71, 78.

As per claim 27, UNet and UNOS teach the system of claim 19 discussed above. UNet also teaches: wherein "the at least one system management module is configured to store data relating to at least one of: a user, a user's system access permissions, an organ procurement organization, a hospital and an eyebank" at pages 17-18.

As per claim 28, UNet and UNOS teach the system of claim 19 discussed above. UNet also teaches: "wherein the donor registry and OMV interface module is configured to detect and remove duplicate information imported from at least one of a plurality of external donor registries and office of motor vehicle databases" at pages 44-46.

As per claim 29, UNet and UNOS teach the system of claim 19 discussed above. UNet also teaches: "wherein the donor registry and OMV interface module is configured to import data from at least one of an external donor registry and an office of motor vehicle database over the Internet" at pages 19, 29 and 52.

As per claim 30, UNet and UNOS teach the system of claim 19 discussed above. UNet also teaches: "wherein the audit trail module is configured to log at least one of: a command entered by a user, a name of the user, an IP address of the user and a date and time the command was performed" at pages 32-34.

As per claim 31, UNet and UNOS teach the system of claim 19 discussed above. UNet also teaches: "for a given potential donor organ or tissue, an arrangement configured to run a search for potential recipients in need of said organ or tissue" at page 30.

As per claim 32, UNet and UNOS teach the system of claim 31 discussed above. UNet also teaches: "wherein the search is performed on at least one of data stored in the medical records management module and data stored in the nationally maintained database" at page 30.

As per claim 33, UNet and UNOS teach the system of claim 32 discussed above. UNOS also teaches: "wherein the nationally maintained database is maintained by the United Network for Organ Sharing".

As per claim 34, UNet and UNOS teach the system of claim 31 discussed above. UNet also teaches: "an arrangement configured to define at least one rule-out criteria" at page 58.

As per claim 35, UNet and UNOS teach the system of claim 34 discussed above. UNet also teaches: “wherein the at least one rule-out criteria includes a distinct medical condition” at pages 58, 63.

As per claim 36, UNet and UNOS teach the system of claim 34 discussed above. UNet also teaches: “wherein the system is configured to preclude matching a potential donor organ or potential donor tissue with a potential recipient if any of the rule-out criteria are present in the data relating to at least one of the potential donor, the potential donor organ and the potential donor tissue” at pages 57-58, 63.

As per claim 37, UNet and UNOS teach the system of claim 36 discussed above. UNet further teaches: “an arrangement configured to define individual rule-out criteria for each of: a specific organ, a specific tissue, a hospital and an eyebank” at pages 58, 63, 74-75, 78.

As per claim 38, UNet and UNOS teach the system of claim 19 discussed above. UNOS also teaches: “wherein the system is remotely accessible over the internet” at page 10.

8. **Claims 2, 14, and 16** are rejected under 35 U.S.C. 103(a) as being unpatentable over UNet and UNOS as applied to claims 1, 3-13, 15, 17 above, and further in view of Arnouse (US 2004/0255081 A1), herein after “Arnouse”.

As per claims 2, 14, 16, UNet and UNOS teach the system and method of claims 1, 7 and 13 as discussed above. UNet and UNOS do not explicitly teach "managing said external database by an office of motor vehicles". However, it is inherently well known that most Department of Motor Vehicles (DMV) maintains a database of organ donor information. Arnouse teaches at paragraph [0125] that organ donor information can be obtained and stored in a databank of the DMV, which can be linked to hospitals. Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine Arnouse with Unet's system such that organ donor information is imported from DMV's databank, in order to "help hospital communicate faster and find organ matches faster in the event of sudden death", as suggested by Arnouse at [0125].

Response to Arguments

9. Applicant's arguments filed 7/01/2010 have been fully considered but they are not persuasive. The examiner respectfully traverses applicant's arguments.

Regarding claims 1, 3, 13, 15 and 17-18, Applicant argued that UNet and UNOS do not teach "an import arrangement configured to compare donor information imported from a plurality of external databases and remove duplicative information therefrom". On the contrary, UNet teaches at page 44 the step of searching for Crossmatch to find duplicate names and at page 46 the step of deleting the duplicate results.

7. To delete a crossmatch result record, click the  button. The following message will appear:

Crossmatch Results Successfully deleted crossmatch. [No records were returned as a result of your search. Please select back to try again.] 

Applicant further argued that UNet and UNOS do not teach "an audit arrangement configured to create a log of user activity in the system, wherein the log includes at least one of: a command entered by a user, a name of the user, an IP address of the user and a date and time the command was performed". On

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the contrary, UNet teaches at pages 32-34 the step of recording a refusal

including at least first name, last name, date and time :

3. When a placement attempt has been made, the following information should be entered for every candidate who was offered the organ.

- A value for Accept - Yes, No, or Pending
- If Yes or No, a Respond Date (in MM/DD/YYYY format) and military Time (in HH:MM format). *Date is required, but Time is not.*
- If Yes or No, the name of the Recipient Center Contact. *You must fill in first or last name, but both are not required.*
- If the organ was refused, the Primary Refusal Code from the drop-down list
- If the organ was accepted, the organ type accepted

Note: If 998 is chosen as the refusal code, you must complete the Specify Other field.

Placement Attempt	
Accept: ☐ Yes ☐ No ☐ Pending	
Respond Date:	Time:
Recipient Center Contact	
First Name:	Last Name:
Refusal Code 	
998 Refusal Code - Specify Other 	

4. Click the  button at the top or bottom of the page to save the record -OR- click the  button to save the information and go to the next potential recipient on the list.

In light of the foregoing arguments, the 35 U.S.C 103 rejection is hereby sustained.

Conclusion

Examiner's Note: Examiner has cited particular columns and line numbers in the references applied to the claims above for the convenience of the applicant.

Although the specified citations are representative of the teachings of the art and are applied to specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

In the case of amending the Claimed invention, Applicant is respectfully requested to indicate the portion(s) of the specification which dictate(s) the structure relied on for proper interpretation and also to verify and ascertain the metes and bounds of the claimed invention.

The prior art made of record, listed on form PTO-892, and not relied upon, if any, is considered pertinent to applicant's disclosure.

If a reference indicated as being mailed on PTO-FORM 892 has not been enclosed in this action, please contact Lisa Craney whose telephone number is **(571) 272-3574** for faster service.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh B. Pham whose telephone number is

(571) 272-4116. The examiner can normally be reached on Monday through Friday 7:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain Alam can be reached on (571) 272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Khanh B. Pham/
Primary Examiner
Art Unit 2166

December 2, 2010

